

## A New Species of *Orthosia* from Japan (Lepidoptera, Noctuidae)

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The new species described below was only recently discovered in Kumamoto Prefecture of Kyushu by a joint survey of Mr. K. YOSHIZAKI and the junior author. This quite unexpected discovery increases the number of species of *Orthosia* occurring in Japan to as many as twenty, showing the richness of this genus in the temperate forest.

### *Orthosia yoshizakii* SUGI & OHTSUKA, sp. n.

(Fig. 1)

Male. Forewing length 16–17 mm, expanse 30–33 mm. Antenna strongly biserrate and fasciculate. Palpus blackish outside, pale ochreous above and at tip. Head and thorax pale greyish ochreous. Forewing pale ochreous grey, irrorated with fuscous; subbasal line represented by dark points below costa and in and below cell; antemedian line dark, thin and diffuse, nearly obsolete; orbicular a dark suppressed elliptical dot with fine pale ring; median line diffuse; reniform large, lunar, completely filled with dark and defined with pale ring; postmedian line nearly obsolete, only represented by a dark stria below costa and a row of weak dots on veins; subterminal line fine, pale ochreous, associated inside with a dark subtriangular patch below costa and a similar one between veins 4 and 6; a series of minute dark lunules before termen; cilia pale ochreous with a pale line at base. Hindwing grey fuscous, with dark terminal line and with no distinct discoidal point; cilia as in forewing. Underside grey fuscous, forewing with subterminal area somewhat paler; a dark postmedian and a double subterminal striae below costa; hindwing somewhat paler, with small discoidal point and anterior half of postmedian line represented by dark points on veins.

Male genitalia (Fig. 2). Uncus flattened, nearly quadrate, slightly widened beyond middle; apical margin almost even and round lateroapically. Tegumen moderately deep and wide. Valva well bulged laterally, gradually tapered to round apex, which is not armed with corona; ampula a simple stout arm pointed apically and not curved, lying as parallel to costal margin of valva; harpe heavily lobed, nearly semi-circular and rimmed at dorsal margin. Juxta large, shield-like, longer than wide, medially cleft at caudal end, articulated with bilateral belt-like sclerite bearing heavy scobination. Aedeagus moderate; vesica tubular, curved ventrally with no accessory sac and armed at base with a ribbon-like wide sclerite and another narrow sclerotized belt bearing a

small conical spine. Cornutus wanting.

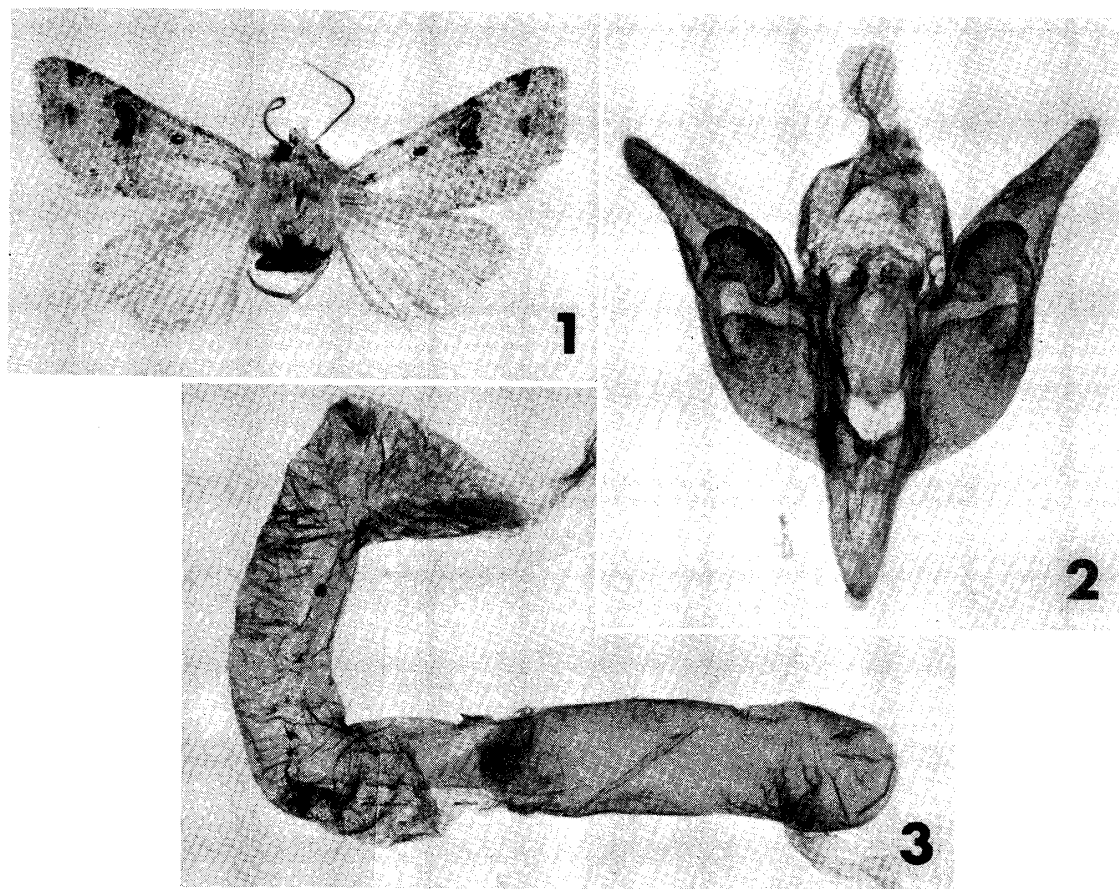
Female. Unknown.

Holotype. ♂. Kyushu — Kumamoto Pref., Yabe-machi, Memaru, 518 m, 2. iv. 1983 (I. OHTSUKA & K. YOSHIZAKI). In the collection of National Science Museum, Tokyo.

Paratypes. 4♂♂, same data as holotype. In the authors' collection.

Remarks. The present new species most resembles certain forms of *O. lizetta* (BUTLER) or *O. fausta* LEECH, especially a form of the former illustrated in SUGI (1982, pl. 175, fig. 1) in tone and pattern, but differs from them in having the serrate antenna in male. From *O. paromoea* (HAMPSON) and *O. angustipennis* (MATSUMURA), both having similar male antennae, it is readily separable by the black small orbicular and fully dark filled reniform. The male genitalia show the present new species to come close to *O. ijimai* SUGI (cf. SUGI, 1955) in having flattened uncus, rather reduced cucullus without corona, heavy dorsal lobe of harpe and simple tubular vesica of aedeagus.

The specific name of this new species is dedicated to Mr. K. YOSHIZAKI, Kumamoto, to whom the authors are very much owed. The junior author especially thanks to him for his long-term assistance in the field survey.



Figs. 1–3. *Orthosia yoshizakii* SUGI & OHTSUKA, sp. n. 1: Holotype male. 2: Male genitalia. 3: Aedeagus, with vesica everted, magnified as twice as Fig. 2.

### Literature cited

- SUGI, S. 1955. A revision of the Japanese *Orthosia* (Lepidoptera, Noctuidae, Hadeninae). *Tinea*, 2: 90-104, pl. 10.  
——— 1982. Noctuidae. In INOUE, H. *et al.*, *Moths of Japan*, 1: 669-913, 2: 344-405, pls. 164-226, etc.

### 摘 要

日本産 *Orthosia* (ヤガ科) の 1 新種 (杉 繁郎・大塚 勲)

1983年 4月, 熊本県上益城郡矢部町目丸で採集された 5 羽の標本にもとづいて, 新種 *Orthosia yoshizakii* SUGI & OHTSUKA ヒゴキリガ (新称) を記載した。

本種は, 日本産 *Orthosia* のうちでは, もっとも *O. lizetta* (BUTLER) クロミミキリガに似るが, 雄の触角が鋸歯状である点で, 容易に区別される。その他の種とは, 前翅の環状紋は暗色点で表され, 環をもたないこと, 腎状紋全体がほぼ一様に黒く染められることなどが区別点となる。雌は未知。上記の標本は著者のひとり大塚が, 吉崎一章氏とともに採集したもので, 同氏の多年にわたるご協力に対し厚く御礼申し上げる。種名は同氏に献名したものである。